

1 **Claim Amendment Summary**

2 **Claims pending**

- 3 • At time of the Office Action: Claims 2-27, 29-48, and 50-58.
- 4 • After this Response: Claims 2-27, 29-48, and 50-58.

5 **Cancelled claims:** none.

6 **Amended claims:** 5, 6, 15, 17, 24, 29, 31, 50, 51, 54, and 58.

7 **New claims:** none.

8

9 1. **(CANCELED).**

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11 2. **(PREVIOUSLY PRESENTED)** The cellular phone of claim

12 5 further comprising a context service module that is configured to receive

13 information from multiple different context providers.

14

15 3. **(PREVIOUSLY PRESENTED)** The cellular phone of claim

16 5, wherein the information pertains to a user of the cellular phone.

17

18 4. **(PREVIOUSLY PRESENTED)** The cellular phone of claim

19 5 further comprising one or more hierarchical traversable tree structures on

20 the phone, the tree structures comprising individual nodes each of which

21 being associated with a phone context, the processors being configured to

22 automatically determine a context by traversing at least one node on one of

23 the trees.

24

25 5. **(CURRENTLY AMENDED)** A cellular phone comprising:

1           one or more processors configured to:  
2                 receive information that pertains to a current context of the  
3 cellular phone;  
4                 determine the current context based on the information;  
5                 modify at least one behavior of the cellular phone responsive  
6 to the current context, wherein at least one of said one behavior is defined  
7 by a third party; and  
8           an application program interface that is configured to wirelessly  
9 receive information that is associated with the phone's context.  
10

11           6.     **(CURRENTLY AMENDED)** A method of operating a  
12 cellular phone comprising:

13                 wirelessly receiving, with the cellular phone, information that  
14 pertains to a context of the cellular phone, the cellular phone being  
15 configured to receive said information from different types of context  
16 providers that provide different forms of information;

17                 responsive to said receiving and using only the cellular phone and its  
18 associated on-board componentry, determining a cellular phone context and  
19 modifying at least one behavior associated with the cellular phone, wherein  
20 at least one of said one behavior is defined by a third party.  
21

22           7.     **(ORIGINAL)** The method of claim 6, wherein the behavior  
23 pertains to whether the phone is on or off.  
24  
25

1           8.     **(ORIGINAL)** The method of claim 6, wherein the behavior  
2 pertains to operation of a cellular phone ringer.

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4           9.     **(ORIGINAL)** The method of claim 6, wherein the behavior  
5 pertains to whether the cellular phone is in a vibration mode.

6  
7           10.    **(ORIGINAL)** The method of claim 6, wherein the behavior  
8 pertains to a ringer pitch.

9  
10          11.    **(ORIGINAL)** The method of claim 6, wherein the behavior  
11 pertains to forwarding calls.

12  
13          12.    **(ORIGINAL)** The method of claim 6, wherein said  
14 modifying comprises using one or more cellular phone settings that are  
15 resident on the cellular phone to modify the cellular phone's settings.

16  
17          13.    **(ORIGINAL)** The method of claim 6, wherein said receiving  
18 comprises receiving cellular phone setting information that is to be used to  
19 modify the cellular phone's behavior.

20  
21          14.    **(ORIGINAL)** A cellular phone programmed to implement  
22 the method of claim 6.

1           15.    **(CURRENTLY AMENDED)** One or more readable media  
2   having readable instructions thereon which, when executed by a cellular  
3   phone, cause the cellular phone to:

4                wirelessly receive information from different context source  
5   information types that provide different forms of information that pertains  
6   to a context of the cellular phone; and

7                responsive to receiving the information, determine the cellular phone  
8   context and modify at least one behavior associated with the cellular phone,  
9   wherein at least one of said one behavior is defined by a third party.

10  
11           16.    **(ORIGINAL)** A cellular phone embodying the computer-  
12   readable media of claim 15.

13  
14           17.    **(CURRENTLY AMENDED)** A cellular phone comprising:  
15   multiple different types of location providers which collectively are  
16   configured to receive different forms of location information that can be  
17   used by the cellular phone to ascertain its location; and

18                one or more processors configured to:

19                    receive information associated with a current location of the  
20   cellular phone; and

21                modify at least one behavior of the cellular phone responsive  
22   to the information, wherein at least one of said one behavior is  
23   defined by a third party.

1           18.    **(ORIGINAL)** The cellular phone of claim 17, wherein the  
2 information comprises cellular phone settings.

3  
4           19.    **(ORIGINAL)** The cellular phone of claim 17, wherein the  
5 one or more processors are configured to modify the one behavior by  
6 turning the phone on or off.

7  
8           20.    **(ORIGINAL)** The cellular phone of claim 17, wherein the  
9 one or more processors are configured to modify the one behavior by  
10 adjusting a ringer pitch on the phone.

11  
12           21.    **(ORIGINAL)** The cellular phone of claim 17, wherein the  
13 one or more processors are configured to modify the one behavior by  
14 turning a cellular phone ringer on or off.

15  
16           22.    **(ORIGINAL)** The cellular phone of claim 17, wherein the  
17 one or more processors are configured to modify the one behavior by  
18 placing the phone in a vibration mode.

19  
20           23.    **(ORIGINAL)** The cellular phone of claim 17, wherein the  
21 one or more processors are configured to modify the one behavior by  
22 forwarding one or more calls to a user-provided telephone number.

23  
24           24.    **(CURRENTLY AMENDED)** A cellular phone comprising:  
25

1 receiving means configured to wirelessly receive multiple different  
2 forms of information that pertains to a current location of a cellular phone  
3 and use said multiple different forms of information to ascertain the current  
4 location; and

5 means to modify at least one behavior associated with the cellular  
6 phone responsive to said information, wherein at least one of said one  
7 behavior is defined by a third party.

8  
9 25. **(ORIGINAL)** The cellular phone of claim 24, wherein said  
10 information pertains to cellular phone settings that are associated with the  
11 current location.

12  
13 26. **(ORIGINAL)** The cellular phone of claim 24, wherein said  
14 information pertains to a defined location type of which the location is an  
15 instance.

16  
17 27. **(ORIGINAL)** The cellular phone of claim 24, wherein said  
18 means to modify comprises means to change the cellular phone's behavior  
19 when it is no longer at the current location.

20  
21 28. **(CANCELED).**

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23 29. **(CURRENTLY AMENDED)** A method of managing  
24 cellular phone behavior comprising:  
25

1 defining one or more cellular phone behaviors for a given location,  
2 wherein at least one behavior is defined by a third party; and

3 wirelessly transmitting information to cellular phones within that  
4 location that permits cellular phones to automatically modify their behavior  
5 while in that location, wherein said transmitting information comprises  
6 transmitting information that is associated with a location type that has  
7 attributes that define a cellular phone behavior.

8  
9 30. **(PREVIOUSLY PRESENTED)** The method of claim 29,  
10 wherein said transmitting information comprises transmitting information  
11 pertaining to cellular phone settings.

12  
13 31. **(CURRENTLY AMENDED)** A method of managing  
14 cellular phone behavior comprising:

15 providing one or more transmitters that are configured to transmit  
16 information that permits cellular phones to automatically modify ~~their~~ at  
17 least one behavior defined by a third party, at least a portion of the  
18 information pertaining to one or more assigned class types individual ones  
19 of which are associated with various attributes that define the behavior of  
20 cellular phones;

21 placing the one or more transmitters in a location where a particular  
22 cellular phone behavior is desired; and

23 transmitting information using said one or more transmitters.  
24  
25

1           32.    **(ORIGINAL)** The method of claim 31, wherein the behavior  
2 comprises whether the cellular phone is on or off.

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4           33.    **(ORIGINAL)** The method of claim 31, wherein the behavior  
5 pertains to the cellular phone's ringer.

6  
7           34.    **(ORIGINAL)** The method of claim 31, wherein the behavior  
8 pertains to the pitch of the cellular phone's ringer.

9  
10          35.    **(ORIGINAL)** The method of claim 31, wherein the behavior  
11 pertains to call forwarding.

12  
13          36.    **(ORIGINAL)** A method of managing cellular phone  
14 behavior comprising:

15           defining one or more class types each of which can be associated  
16 with a location for which a particular cellular phone behavior is desired;  
17 and

18           associating attributes with the one or more class types, the attributes  
19 defining cellular phone behavior.

20  
21          37.    **(ORIGINAL)** The method of claim 36, wherein the behavior  
22 pertains to whether the cellular phone is to be on or off.

23  
24          38.    **(ORIGINAL)** The method of claim 36, wherein the behavior  
25 pertains to whether the cellular phone's ringer is to be on or off.



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2 39. **(ORIGINAL)** The method of claim 36, wherein the behavior  
3 pertains to the pitch of the cellular phone's ringer.

4  
5 40. **(ORIGINAL)** The method of claim 36, wherein the behavior  
6 pertains to automatically forwarding telephone calls.

7  
8 41. **(ORIGINAL)** A method of managing cellular phone  
9 behavior comprising:

10 defining one or more class types each of which can be associated  
11 with a location for which a particular cellular phone behavior is desired;

12 associating attributes with the one or more class types, the attributes  
13 defining cellular phone behavior; and

14 associating a class type with a location for which a particular cellular  
15 phone behavior is desired.

16  
17 42. **(ORIGINAL)** A method of managing cellular phone  
18 behavior comprising:

19 associating a class type with a location for which a particular cellular  
20 phone behavior is desired, the class type having attributes that define the  
21 cellular phone's behavior; and

22 wirelessly transmitting information pertaining to the class type for  
23 reception by cellular phones in the location, the information being  
24 configured to be used by cellular phones to automatically adjust one or  
25 more behaviors.

1  
2       43.   **(ORIGINAL)** The method of claim 42, wherein said  
3 associating comprises providing a transmitter at the location that is  
4 configured to transmit the information.

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6       44.   **(ORIGINAL)** The method of claim 42, wherein the behavior  
7 is defined by cellular phone settings.

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9       45.   **(ORIGINAL)** The method of claim 42, wherein the behavior  
10 pertains to whether the cellular phone is on or off.

11  
12       46.   **(ORIGINAL)** The method of claim 42, wherein the behavior  
13 pertains to whether the cellular phone's ringer is on or off.

14  
15       47.   **(ORIGINAL)** The method of claim 42, wherein the behavior  
16 pertains to call forwarding.

17  
18       48.   **(PREVIOUSLY PRESENTED)** A location-aware cell  
19 phone comprising:

20       on-board componentry configured to:

21               determine its location using only information that it receives;

22       and

23               automatically adjust one or more of its settings so that it  
24 behaves in a manner that has been defined for that location by  
25 someone other than a user of the cell phone.

1  
2 49. (CANCELED).

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4 50. (CURRENTLY AMENDED) A method of operating a  
5 cellular phone comprising:

6 providing a cellular phone; and

7 determining, with the cellular phone, a present cellular phone  
8 location wherein said determining comprises:

9 receiving location information;

10 accessing one or more hierarchical tree structures having  
11 nodes, each node being capable of that corresponding to either a  
12 physical or logical location[[s]]; and

13 using the location information to traverse at least portions of  
14 the one or more tree structures to ascertain the present location.

15  
16 51. (CURRENTLY AMENDED) A cellular phone comprising:

17 one or more computer-readable media;

18 one or more hierarchical traversable tree structures resident on the  
19 computer-readable media, the tree structures comprising individual nodes,  
20 each of which is capable of being associated with either a physical or  
21 logical phone context; and

22 one or more processors configured to:

23 receive information that pertains to a current context of the  
24 cellular phone;

1                    automatically determine the current context based on the  
2 information by traversing at least one node on one of the trees; and  
3                    modify at least one behavior of the cellular phone responsive  
4 to the current context.

5  
6            52.    **(PREVIOUSLY PRESENTED)** The cellular phone of claim  
7 51 further comprising a context service module that is configured to receive  
8 information from multiple different context providers.

9  
10           53.    **(PREVIOUSLY PRESENTED)** The cellular phone of claim  
11 51, wherein the information pertains to a user of the cellular phone.

12  
13           54.    **(CURRENTLY AMENDED)** A cellular phone comprising:  
14 a context service module that is configured to receive different forms  
15 of information from multiple different types of context providers; and  
16 one or more processors associated with the context service module  
17 and configured to:  
18                   receive information that pertains to a current context of the  
19 cellular phone;  
20                   determine the current context based on the information; and  
21                   modify at least one behavior of the cellular phone responsive  
22 to the current context, wherein at least one of said one behavior is defined  
23 by a third party.

1           55.    **(PREVIOUSLY PRESENTED)** The cellular phone of claim  
2 54, wherein the information pertains to a user of the cellular phone.

3  
4           56.    **(PREVIOUSLY PRESENTED)** The cellular phone of claim  
5 54 further comprising one or more hierarchical traversable tree structures  
6 on the phone, the tree structures comprising individual nodes each of which  
7 being associated with a phone context, the processors being configured to  
8 automatically determine a context by traversing at least one node on one of  
9 the trees.

10  
11           57.    **(PREVIOUSLY PRESENTED)** The cellular phone of claim  
12 54 further comprising an application program interface that is configured to  
13 wirelessly receive information that is associated with the phone's context.

14  
15           58.    **(CURRENTLY AMENDED)** A cellular phone comprising:  
16 location provider means for receiving different forms of location  
17 information;  
18 means for ascertaining a location from the location information; and  
19 means for modifying at least one behavior associated with the  
20 cellular phone responsive to ascertaining said location, wherein at least one  
21 of said one behavior is defined by a third party.